Geometry/Algebra 2, Section 10.2 Find Arc Measures, p 659

**#1-11 ALL, p 661-2**

1. congruent
2. The length of their radii must be the same.
3. Minor arc; 
4. Minor arc; 
5. Minor arc: 
6. Minor arc; 
7. Minor arc; 
8. Semicircle; 
9. Major arc; 
10. Major arc; 
11. C

**#12-19 and 22-24, p 662-3**

1. Congruent; Arc AB is congruent to arc CD because they are in the same circle and the measure of arc AB is equal to the measure of arc CD.
2. Not congruent; they are arcs of circles that are not congruent.
3. Congruent; Arc VW is congruent to arc XY because they are in congruent circles and the measure of arc VW is congruent to the measure of arc XY.
4. You cannot tell if circle C is congruent to circle D because the radii are not given.
5. 
6. A
7. Since the measure of arc GE = ,  must be  beyond  placing it between  and , or  must be  beyond  placing it between  and .
8. 
9. SKIP
10. SKIP
11. 
12. 
13. a. 

b. 27 min

c. 37 min

d.  from wall A